



Where ideas connect

Department of Environmental Quality
Division of Air Quality

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DAQE-AN0841005-03

February 26, 2003

Mr. Michael Dalley
Environmental Affairs
Staker & Parson Companies
1000 West Center Street
P.O. Box 27598
North Salt Lake, Utah 84054

Dear Mr. Dalley:

Re: Approval Order: Addition of Screen and Replacement of Existing Equipment to Approval Order
DAQE-1119-97, for Lehi Point West Facility, Utah County – CDS SM; NA; HAPs, NSPS, TITLE V.
Project Code: IN0841005-02

The attached document is the Approval Order (AO) for the above-referenced project.

Future correspondence on this Approval Order should include the engineer's name as well as the DAQE number as shown on the upper right-hand corner of this letter. Please direct any technical questions you may have on this project to Mr. Jon Black. He may be reached at (801) 536-4047.

Sincerely,

Richard W. Sprott, Executive Secretary
Utah Air Quality Board

RWS:JB:jc

cc: Utah County Health Department

STATE OF UTAH

Department of Environmental Quality

Division of Air Quality

**APPROVAL ORDER: ADDITION OF SCREEN AND
REPLACEMENT OF EXISTING EQUIPMENT TO
APPROVAL ORDER DAQE-1119-97, FOR LEHI POINT WEST
FACILITY**

Prepared By: Jon Black, Engineer

(801) 536-4047

Email: jlblack@utah.gov

APPROVAL ORDER NUMBER

DAQE-AN841005-03

Date: February 26, 2003

Staker & Parson Companies

Source Contact

Michael Dalley

(801) 951-7321

Richard W. Sprott

Executive Secretary

Utah Air Quality Board

Abstract

Staker & Parson Companies submitted a Notice of Intent for an equipment change and addition of a screen to the Lehi Point West Facility located at 11700 North Frontage Road in Lehi, Utah. This facility was previously owned by Metro West Ready Mix and operated under Approval Order (AO) DAQE-1119-97, dated December 15, 1997. Staker & Parson Companies has since acquired this facility, has undergone the appropriate name change procedure and is requesting an equipment change to the AO DAQE-1119-97. Lehi is located in Utah County, which is a non-attainment area of the National Ambient Air Quality Standards (NAAQS) for PM₁₀. New Source Performance Standards (NSPS) 40 CFR 60 Subpart OOO (Standards of Performance for Nonmetallic Mineral Processing Plants) applies to this source. National Emission Standards for Hazardous Air Pollutants (NESHAP) and Maximum Available Control Technology (MACT) regulations do not apply to this source. Title V of the 1990 Clean Air Act applies to this source. There will be no emission increase for this modification. The controlled potential emissions, in tons per year, will remain as follows: PM₁₀ 23.83, NO_x 27.54, SO₂ 2.42, CO 12.02, VOC 3.99.

The project has been evaluated and found to be consistent with the requirements of the Utah Administrative Code Rule 307 (UAC R307). A public comment period was held in accordance with UAC R307-401-4 and no comments were received. This air quality Approval Order (AO) authorizes the project with the following conditions, and failure to comply with any of the conditions may constitute a violation of this order.

General Conditions:

1. This Approval Order (AO) applies to the following company:

Site Office

Staker & Parson Companies
11700 North Frontage Road
Lehi, Utah
Phone Number
Fax Number

Corporate Office Location

Staker & Parson Companies
P.O. Box 27598
North Salt Lake, Utah 84054
(801) 298-7500
(801) 298-1773

The equipment listed in this AO shall be operated at the following location:

11700 North Frontage Road, Lehi, Utah County.

Universal Transverse Mercator (UTM) Coordinate System: UTM Datum NAD27
4,478.7 kilometers Northing; 423.9 kilometers Easting; Zone 12

2. All definitions, terms, abbreviations, and references used in this AO conform to those used in the Utah Administrative Code (UAC) Rule 307 (R307) and Title 40 of the Code of Federal Regulations (40 CFR). Unless noted otherwise, references cited in these AO conditions refer to those rules.
3. The limits set forth in this AO shall not be exceeded without prior approval in accordance with R307-401.
4. Modifications to the equipment or processes approved by this AO that could affect the emissions covered by this AO must be reviewed and approved in accordance with R307-401-1.

5. All records referenced in this AO or in applicable NSPS standards, which are required to be kept by the owner/operator, shall be made available to the Executive Secretary or Executive Secretary's representative upon request, and the records shall include the two-year period prior to the date of the request. Records shall be kept for the following minimum periods:
 - A. Emission inventories Five years from the due date of each emission statement or until the next inventory is due, whichever is longer.
 - B. All other records Two years
6. Staker & Parson Companies shall install and operate the aggregate processing equipment and shall conduct its operations of the Lehi Point West Facility in accordance with the terms and conditions of this AO, which was written pursuant to Staker & Parson Companies Notice of Intent submitted to the Division of Air Quality (DAQ) on August 13, 2002.
7. This AO shall replace the AO (DAQE-1119-97) dated December 15, 1997.
8. The approved installations shall consist of the following equipment:

Aggregate Processing Operation

- A. One (1) Barmag Crusher, Model 9000, Mfg 1995*
- B. One (1) Cedarapids Jaw Crusher, Model 2236, Mfg 1990*
- C. One (1) Cedarapids Cone Crusher, LAP-1006, Mfg 1996*
- D. One (1) Cedarapids Wet Screen, Mfg 1996*
- E. One (1) Cedarapids Wet Screen, Mfg 1996*
- F. One (1) Cedarapids Screen, LAP-1011, Mfg 1996*
- G. One (1) Cedarapids Screen, 43004, Mfg 1996*
- H. One (1) Cedarapids Vibrating Feeder, 45422, Mfg 1996*
- I. One (1) Graystone Fire Material Washer, Model 44 x 32, Mfg 1996*
- J. One (1) Built Feeder, Mfg Prior to 1983
- K. Miscellaneous conveyors, stackers, feeders, loaders, bulldozers and aggregate hauling equipment.

Concrete Batching Operation

- L. One (1) Ross Concrete Batch Plant, 12 cubic yard, Mfg. 1990, USA-A1-1200-20*
- M. One (1) baghouse dust collection system (CW-RA140)*
- N. Two (2) Ross cement silos, 100 ton each
- O. Miscellaneous conveyors and concrete hauling equipment

* Equivalency shall be determined by the Executive Secretary.

9. Staker & Parson Companies shall notify the Executive Secretary in writing when the installation of the equipment listed in Condition #8.C, #8.D, #8.E, #8.F, #8.G and #8.H has been completed and is operational, as an initial compliance inspection is required. To insure proper credit when notifying the Executive Secretary, send your correspondence to the Executive Secretary, attn: Compliance Section.

If installation has not been completed within eighteen months from the date of this AO, the Executive Secretary shall be notified in writing on the status of the installation. At that time, the Executive Secretary shall require documentation of the continuous installation of the operation and may revoke the AO in accordance with R307-401-11.

Limitations and Tests Procedures

10. Visible emissions from the following emission points shall not exceed the following values:
 - A. All crushers - 15% opacity
 - B. All screens - 10% opacity
 - C. All conveyor transfer points - 10% opacity
 - D. All bin vents or baghouse exhaust points - 10% opacity
 - E. All diesel engines - 20% opacity
 - F. Conveyor drop points - 20% opacity
 - G. All other points - 20% opacity

Opacity observations of emissions from stationary sources shall be conducted according to 40 CFR 60, Appendix A, Method 9.

For sources that are subject to NSPS, opacity shall be determined by conducting observations in accordance with 40 CFR 60.11(b) and 40 CFR 60, Appendix A, Method 9.

11. The following production limits shall not be exceeded:

Aggregate Processing Operation:

- A. 3,800,000 tons of processed aggregate material per rolling 12-month period.
- B. 6,600 hours of operation for each front-end loader per rolling 12-month period.

Concrete Batching Operation:

- C. 300,000 cubic yards of concrete per rolling 12-month period
- D. 3,200 hours of concrete plant operation per rolling 12-month period

To determine compliance with a rolling 12-month total the owner/operator shall calculate a new 12-month total by the twentieth day of each month using data from the previous 12 months. Records of production shall be kept for all periods when the plant is in operation. Production shall be determined by scale house records or vendor receipts. The records of production shall be kept on a daily basis. Hours of operation for the front-end loaders shall be determined by hour meters installed on the equipment. Hours of operation for the concrete batching plant shall be determined by supervisor monitoring and maintaining of an operations log.

Roads and Fugitive Dust

12. Staker & Parson Companies shall abide by a fugitive dust control plan acceptable to the Executive Secretary for control of all dust sources associated with the Lehi Point West Facility. Staker & Parson Companies shall submit a fugitive dust control plan to the Executive Secretary, attention: Compliance Section, for approval within 30 days of the date of this AO.
13. The facility shall abide by all applicable requirements of R307-309 for PM₁₀ non-attainment areas (Salt Lake, Utah, Davis Counties and Ogden City) for Fugitive Emission and Fugitive Dust sources. To be in compliance, this facility must operate in accordance with the most current version of R307-309.
14. Water sprays or chemical dust suppression sprays shall be installed at the following points to control fugitive emissions:
 - A. All crushers
 - B. All screens
 - C. All conveyor transfer points

The sprays shall operate whenever dry conditions warrant or as determined necessary by the Executive Secretary.
15. The storage piles shall be watered to minimize generation of fugitive dusts as dry conditions warrant or as determined necessary by the Executive Secretary. Records of water and/or chemical treatment shall be kept for all periods when the plant is in operation.
16. Silos for Concrete Plant: All pneumatically loaded silos shall have the displaced air pass through a fabric filter device before being vented to the atmosphere.

Fuels

17. The owner/operator shall use #1 or #2 fuel oil as fuel.
18. The sulfur content of any fuel oil or diesel burned shall not exceed:
 - A. 0.5 percent by weight for diesel fuels consumed in all on-site equipment.

The sulfur content shall be determined by ASTM Method D-4294-89 or approved equivalent. Certification of fuels shall be either by Staker & Parson Companies own testing or test reports from the fuel marketer.

Federal Limitations and Requirements

19. In addition to the requirements of this AO, all applicable provisions of 40 CFR 60, New Source Performance Standards (NSPS) Subpart A, 40 CFR 60.1 to 60.18 (General Requirements) and Subpart OOO, 40 CFR 60.670 to 60.676 (Standards of Performance for Nonmetallic Mineral Processing Plants) apply to this installation.

Records & Miscellaneous

20. At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any equipment approved under this Approval Order including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Executive Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. All maintenance performed on equipment authorized by this AO shall be recorded.
21. The owner/operator shall comply with R307-150 Series. Inventories, Testing and Monitoring.
22. The owner/operator shall comply with R307-107. General Requirements: Unavoidable Breakdowns.

The Executive Secretary shall be notified in writing if the company is sold or changes its name.

This AO in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations including R307.

A copy of the rules, regulations and/or attachments addressed in this AO may be obtained by contacting the Division of Air Quality. The Utah Administrative Code R307 rules used by DAQ, the Notice of Intent (NOI) guide, and other air quality documents and forms may also be obtained on the Internet at the following web site: http://www.deq.state.ut.us/eqair/aq_home.htm

The annual emission estimations below include point source, fugitive emissions, fugitive dust, road dust and tail pipe emissions. These emissions are for the purpose of determining the applicability of Prevention of Significant Deterioration, non-attainment area, maintenance area, and Title V source requirements of the R307. They are not to be used for determining compliance.

The controlled potential to emit emissions for this source (the entire plant) are currently calculated at the following values:

	<u>Pollutant</u>	<u>Tons/yr</u>
A.	PM ₁₀	23.83
B.	SO ₂	2.42
C.	NO _x	27.54
D.	CO.....	12.02
E.	VOC.....	3.99

Sincerely,

Richard W. Sprott, Executive Secretary
Utah Air Quality Board